



Novel materials, ideas and designs for Solar COLlectors made Of Polymers

Launch of European Project SCOOP

What needs to be done to ensure that the high potential of plastics in the field of low-temperature solar-thermal energy supply can be used to obtain marketable products? This question is dealt with in the project **Solar COLlectors made Of Polymers (SCOOP)**.

The work plan is dedicated to the development and selection of suitable polymer grades and collector designs for flat plate collectors for building integration as well as thermo-siphon systems. The work packages include a comprehensive assessment of the market, costs and scale effects, the selection and optimization of polymeric materials for injection moulding and extrusion as well as a continuous qualification of new materials, absorbers and components.

The installation of demonstration systems will show the results of the optimization of materials, technical designs and system concepts for the application of polymers in solar thermal systems. **SCOOP** was launched on 1 December 2011 and runs for 3,5 years.

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